UTAH DIVISION OF OIL, GAS AND MINING

REMARKS: WELL LOG ___ ELECTRIC LOGS ___ FILE X WATER SANDS ___ LOCATION INSPECTED ___ SUB. REPORT/ABD. ___

* LOCATION CHANGE 9-22-80
* LEASE NO. CHANGE 9-22-80

DATE FILED 7-7-80

LAND: FEE & PATENTED STATE LEASE NO. * PUBLIC LEASE NO. U-~~0806~~ 0807 INDIAN

DRILLING APPROVED: 7-9-80

SPUDDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: Location Abandoned - Well never drilled Nov 10, 81

FIELD: ~~Wonsits~~ WONSITS VALLEY FIELD 3/86

UNIT: WONSITS VALLEY

COUNTY: UINTAH

WELL NO. WONSITS VALLEY UNIT #120 API NO: 43-047-30741

LOCATION ~~1781'~~ 1787' FT. FROM ~~XNX~~ (S) LINE. 2023' FT. FROM (E) (~~XX~~) LINE. NW SE ¼-¼ SEC. 14

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
8S	21E	14	GULF OIL CORPORATION				

FILE NOTATIONS

Entered in N I D File ✓
Entered On S R Sheet
Location Map Pinned
Card Indexed ✓
I W R for State or Fee Land

Checked by Chief
Copy N I D to Field Office
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed
OW WW TA
GW OS PA

Location Inspected
Bond released
State of Fee Land

LOGS FILED

Driller's Log
Electric Logs (No.)
E I E-I GR GR-N Micro
Lat Mi-L Sonic Others

5-11-92 lcr

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL
OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR
Gulf Oil Corporation

3. ADDRESS OF OPERATOR
P.O. Box 2619 Casper, Wyoming 82601 Tele: 1-307-235-1311

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
1781' FSL 2023 FEL Section 14, T8s, R21E, S.L.B.& M.
At proposed prod. zone
same NW SE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Ouray, Utah 9.3 miles Southwest

5. LEASE DESIGNATION AND SERIAL NO.
U-0806

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Wonsits Valley

8. FARM OR LEASE NAME
Unit

9. WELL NO.
#120

10. FIELD AND POOL, OR WILDCAT
Wildcat Wonsits Valley Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 14, T8S, R21E, S.L.B.

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1787'

16. NO. OF ACRES IN LEASE
2480

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1500'

19. PROPOSED DEPTH
5500' Green River

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4883

22. APPROX. DATE WORK WILL START*
August 15, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	See 10 Point Drilling Compliance Program			

Attachments:

Exhibit "A" - (10' Point Compliance Program)
Exhibit "B" - BOP and Auxiliary Equipment
Certified Survey Plat
13 Point Use Plan and Attachments
Rig Layout
Topo Map "A"
Topo Map "B"

RECEIVED
JUL 07 1980
DIVISION OF
OIL, GAS & MINING

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING
DATE: 7-8-80
BY: M. J. Minder

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
SIGNED Emmett C. Booher TITLE Drilling Representative DATE July 2, 1980

(This space for Federal or State office use)

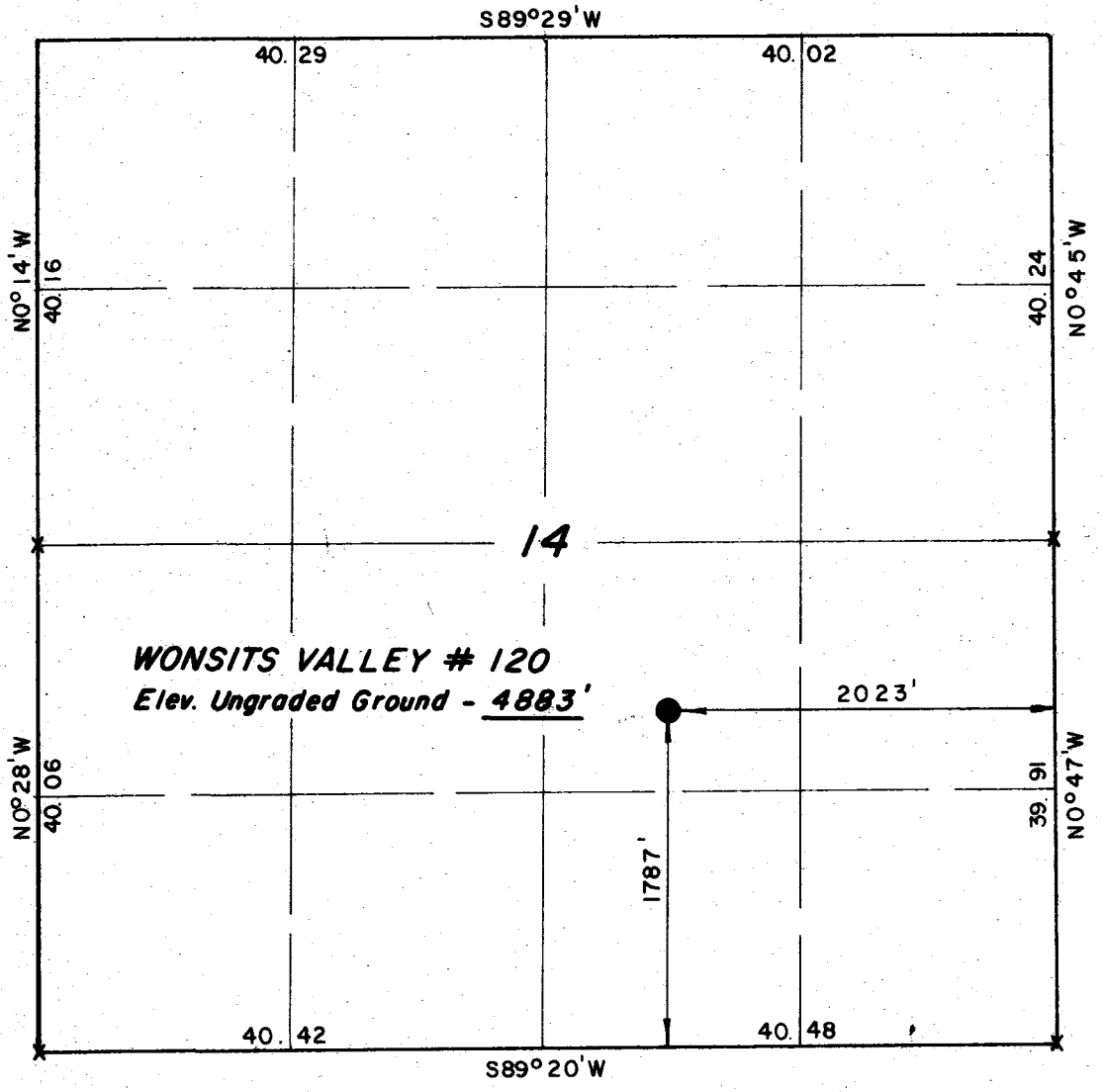
PERMIT NO. 43-047-30741 APPROVAL DATE 7/8/80

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

T 8 S , R 21 E , S.L.B.&M.



X = Section Corners Located

PROJECT

GULF OIL CORPORATION

Well location, *WONSITS VALLEY #120*, located as shown in the NW 1/4 SE 1/4 Section 14, T8S, R21E, S.L.B. & M. Uintah County, Utah.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION Nº 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q — 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	6/25/80
PARTY	DA TJ MH RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	GULF OIL

EXHBIT "A"

TEN POINT COMPLIANCE PROGRAM

NTL 6

Attached to Form 9-331C

WELL NAME: Wonsits Valley #120

LOCATION: Section 14, T8S, R21E, S.L.B.& M.

Uintah County, STATE OF Utah

1. GEOLOGIC SURFACE FORMATION

Tertiary Uinta Formation

2. ESTIMATED TAPE OF IMPORTANT GEOLOGIC MARKERS

TGR 1 Uinta 0-4590
TGR 2 Green River 4590' to 5500' T.D.

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS or MINERALS

Water - 0 -4590'
Oil & Gas - 4590' - 5500' T.D. Green Rover Oil & Gas

4. PROPOSED CASING PROGRAM

(a) Surface Casing: 12¼" hole 1000" New 9 5/8 3# K55 STC 1000' Cement to Surface

(b) Production Casing: 8 3/4" hole 1000' to 5500' 5½" casing 15.5# K55 STC 5500' 300 Sacks Cement.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

EXHIBIT "B" is a schematic diagram of the blowout preventer equipment. The BOP's will be hydraulically tested to the full working pressure after nippling up and after any use under pressure. Pipe rams will be operationally checked each 24- hr. period, as will blind rams each time pipe is pulled out of the hole. Such checks of BOP will be noted on daily drilling reports.

Assessories to BOP include a kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATING MUDS

0' - 1000' - Salt Water & Salt Gell
1000' - 5500' Mud 10.5 lb per Gallon Viscosity 35 Water Loss 20%

7. AUXILIARY EQUIPMENT TO BE USED

10" 3000# Saftey Valve, inside BOP, Upper and Lower Kelly, Cock, Mud Monitoring Equipment (See Exhibit "A")

8. TESTING, LOGGING AND CORING PROGRAMS

(a) 5190'to 5470' Lower Green River
(b) No drill stem tests anticipated
(c) Induction Loggs at T.D.

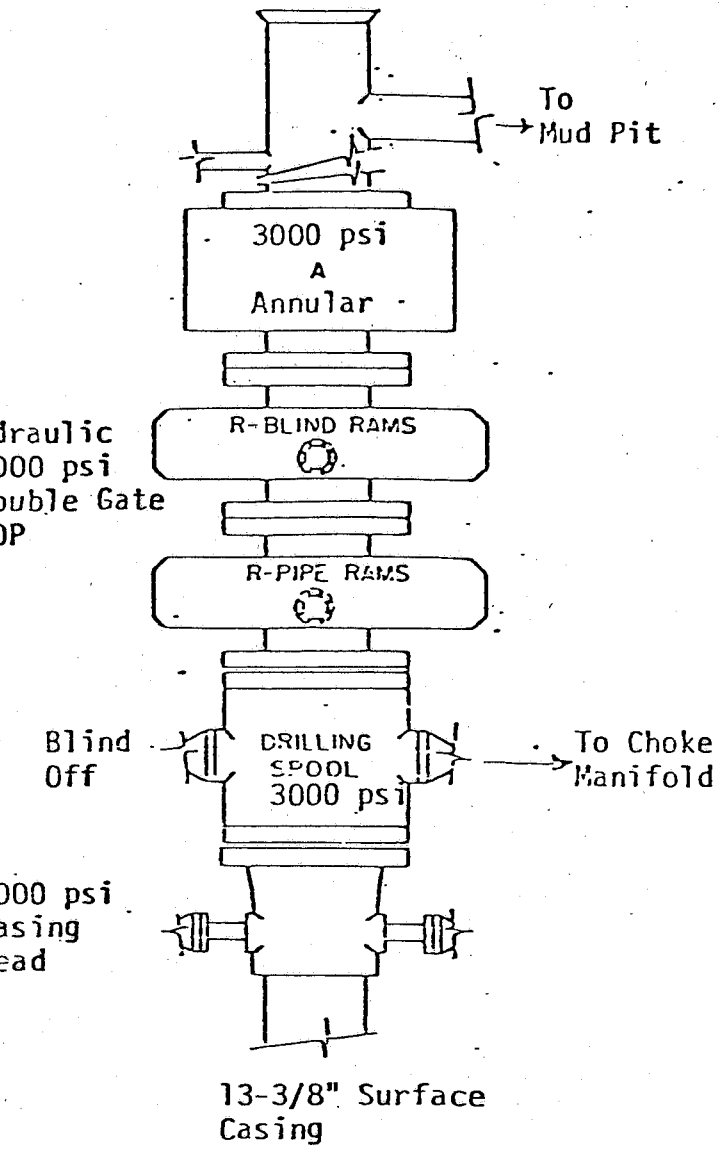
9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE

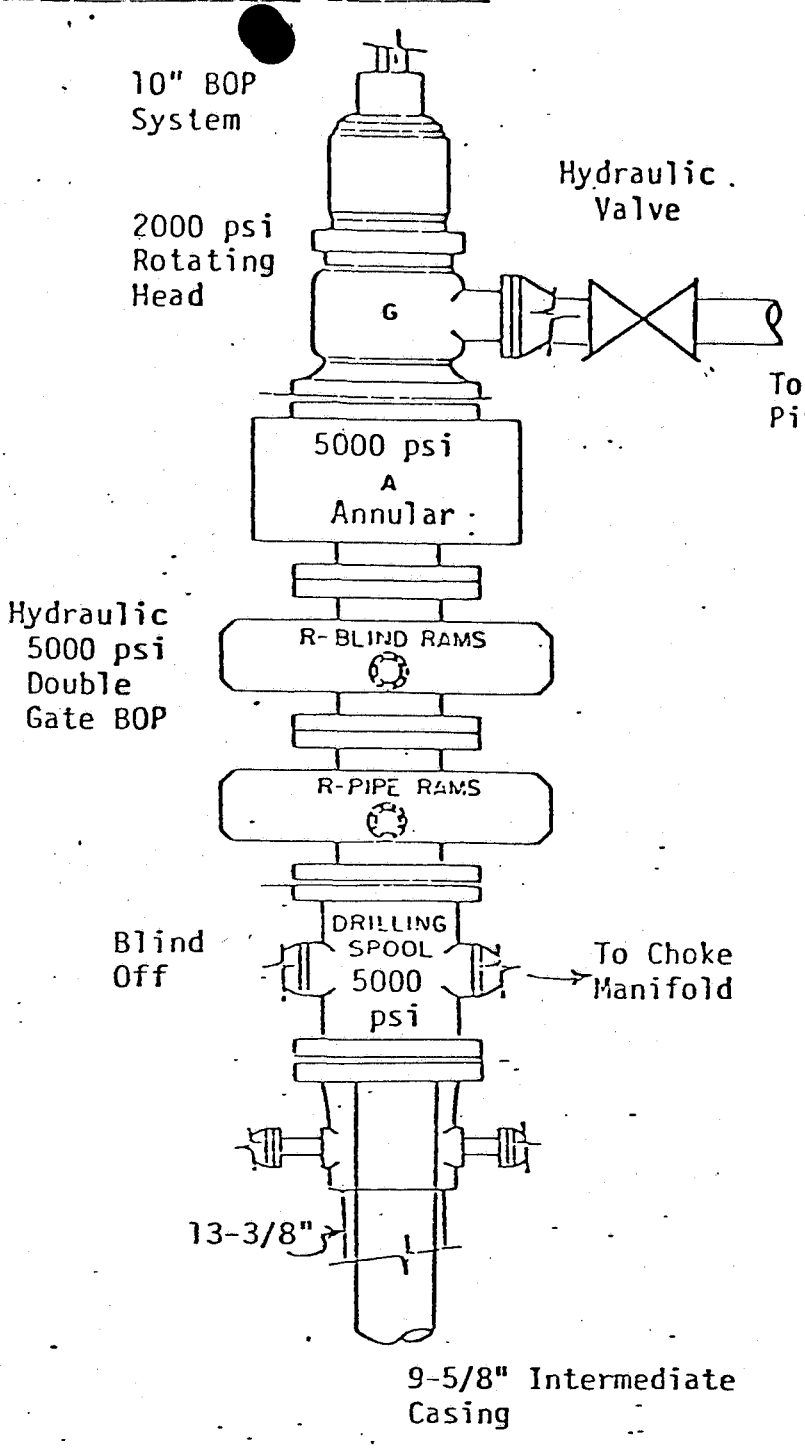
None

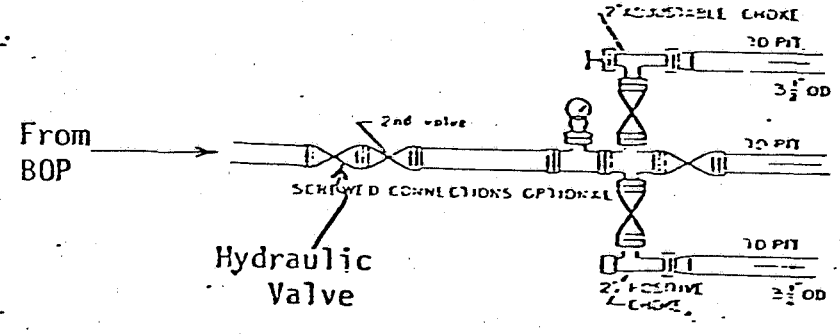
10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

The anticipated*starting date is to be approximately or as soon as possible after examination and approval of drilling requirements. Operations should be completed within 90 days from spudding to rig release.

PRESSURE CONTROL SPECIFICATIONS AND TEST FREQUENCY







TEST SCHEDULE

5000 PSI
CHOKE MANIFOLD

12" BOP system & 13-3/8" casing to 2500 psi
10" BOP system & choke manifold to 5000 psi
9-5/8" Casing to 3500 psi

GULF OIL CORPORATION

13 Point Surface Use Plan

for

Well Location

Wonsits Valley #120

Located In

Section 14, T8S, R21E, S.L.B.& M.

Uintah County, Utah

GULF OIL CORPORATION
Wonsits Valley #120
Section 14, T8S, R21E, S.L.B.& M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach Gulf Oil Corporation Well Location Wonsits Valley #120, located in the NW¼ SE¼ Section 14, T8S, R21E, S.L.B.& M. Uintah County, Utah; proceed Westerly out of Vernal, Utah along U.S. Highway 40 - 14 miles to the junction of this highway and Utah State Highway 209; proceed South along Utah State Highway 209 - 7 miles more or less to the junction of this highway and the Utah State Highway 88; proceed South along the Utah State Highway 88 - 10 miles to Ouray, Utah; proceed South out of Ouray approximately 0.4 miles across the Green River, to the junction of this road and an existing Uintah County road to the East; proceed Easterly along this road approximately 2.5 miles to its junction with an existing oil field service road to the Northeast; proceed Northeasterly on this road approximately 1.2 miles to the junction of this road and an existing oil field service to the Northeast; proceed Northeasterly along this road approximately 5.0 miles to the junction of this road and an existing dirt road to the Southeast; proceed Southeasterly along this road 0.6 miles to its junction with the proposed access road (to be discussed in item #2).

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to Ouray, Utah at which point the road is surfaced with native asphalt for approximately the first 4.4 miles of road used to reach the proposed location and then is a gravel surface to the aforementioned proposed access road.

The highways mentioned above are state administered and are maintained by their crews, and the county road mentioned above is maintained by county crews.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing road described in Item #1 in the NE¼ SE¼ Section 14, T8S, R21E, S.L.B.& M. and proceeds in a Southwesterly direction approximately 0.3 miles to the proposed location site.

This planned road traverses over relatively flat land with very little elevation change. It is not anticipated that the grade of this road will be more than 4%, however, the maximum grade will not exceed 8%. The vegetation along this road consist of sagebrush, grasses and cacti, with large amounts of bare earth devoid of any vegetation.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met:

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area.

2. PLANNED ACCESS ROAD - cont...

Back slopes along the cut areas of the road will be 1½ to 1 slopes and terraced.

There will be no culverts required along this road. It is not anticipated at this time that there will be any turnouts required along this road, however, if at the time of the onsite inspection it is determined that a turnout is necessary it will be installed according to the specifications found in the Oil and Gas Surface Operating Manuel.

There are no fences encountered along this road, there will be no cattle-guards or gates required.

All of the lands involved in this action are under B.I.A. jurisdiction.

3. LOCATION OF EXISTING WELLS

See Topographic Map "B".

There are six existing gas wells within a one-mile radius of this location site.

There are no known water wells, abandoned wells, disposal wells, drilling wells, shut-in wells, injection wells, monitoring or observation wells for other resources within a one-mile radius of this location site.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are no other Gulf Oil Corporation tank batteries production facilities, oil gathering lines, gas gathering lines, injection lines or disposal lines within a one-mile radius of this location site.

In the event production is established; the produced fluids will be contained within temporary storage facilities until plans can be made and submitted to the appropriate authorities for distribution of the produced product.

The area to be used in the containment will be built of possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources.

These facilities will be constructed using bulldozers, graders, and workman crews to construct and place the proposed facilities.

If there is any deviation from the above, all appropriate agencies will be notified.

Rehabilitation of disturbed areas no longer needed for operations after construction is completed will meet the requirements of Item #10.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

Water to be used in the drilling of this well will be hauled from the Green River near the junction of the Watson Raod and Highway 88, in Sec. 33, T8S, R20E, S.L.B.& M. This water will be hauled by truck over existing roads ± 10.0 miles to the location site.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during construction of the location site and access road. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

The native materials that will be used in the construction of this location site and access road will consist of sandy-clay soil and sandstone and shale material gathered during the actual construction of the road and location.

7. METHODS FOR HANDLING WASTE DISPOSAL

A reserve pit will be constructed.

The reserve pit will vary in size and depth according to the water table at the time of drilling.

One-half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one-half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals, produced fluids, etc.

If deemed necessary by the agencies concerned, to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed at such time as deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time the drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and reclamation activities are attempted.

7. METHODS OF HANDLING WASTE DISPOSAL - cont...

When the reserve pit dries and the reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements of Item #10 will be followed.

A portable trash basket will be placed on the location site and all trash will be hauled to the nearest Sanitary Landfill.

A portable chemical toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See Location Layout Sheet.

The B.I.A. Representative shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type material necessary to make them safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet and Item #9). When all drilling and production activities have been completed, the location site will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during the construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pit shall be buried with a minimum of 5' of cover.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

GULF OIL CORPORATION
Wonsits Valley #120
Section 14, T8S, R21E, S.L.B.& M.

10. PLANS FOR RESTORATION OF SURFACE - cont...

When Restoration activities have been completed, the location site shall be reseeded with a seed mixture recommended by th B.I.A. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner, and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area (See Topographic Map "A".)

The area is a large basin formed by the Uinta Mountains to the North and the Book Cliff Mountains to the South. The White River is located approximately 3 miles to the South of the location site.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in the sandstone, conglomerates, and shale deposits are extremely common to the area.

The geologic structures of the area that are visible are of the Uinta Formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger alluvial deposits from the Quaternary Period.

Outcrops of sandstone ledges, conglomerate deposits, and shale are common in this area.

The topsoils in the area range from a light brownish-gray sandy-clay (SM-ML) type soil with poorly graded gravels to a clayey (OL) type soil.

The majority of the numerous washes and streams in the area are of a non-perennial nature flowing during the early spring run-off and extremely heavy rainstorms of long duration which are extremely rare as the annual rainfall in the area is only 8".

The White River to the South of this location is the only perennial stream that is affected by this location site.

Due to the low precipitation average, climate conditions, and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in; it consists of areas of sagebrush, rabbitbrush, some grasses, and cacti as the primary flora. This is also true of the lower elevations.

The fauna of the area consists predominantly of the mule deer, pronghorn antelope, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

GULF OIL CORPORATION
Wonsits Valley #120
Section 14, T8S, R21E, S.L.B.& M.

11. OTHER INFORMATION - cont...

The birds of the area are raptors, finches, ground sparrows, magpies, crows and jays.

The Topography of the Immediate Area (See Topographic Map "B").

Wonsits Valley #120 is located on a relatively flat plateau area which slopes gradually to the North at approximately a 3% grade into a non-perennial drainage.

The vegetation in the immediate area surrounding the location site consists of grasses and sparse amounts of sagebrush.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Emmitt Booher
Gulf Oil Corporation
P.O. Box 2619
Casper, WY 82601

Tele: 1-307-235-1311

13. CERTIFICATION

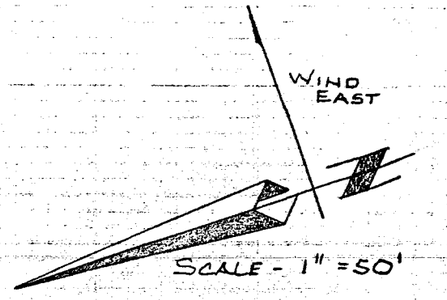
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by GULF OIL CORPORATION & its contractors and subcontractors in conformity with this plan and terms and conditions under which it is approved.

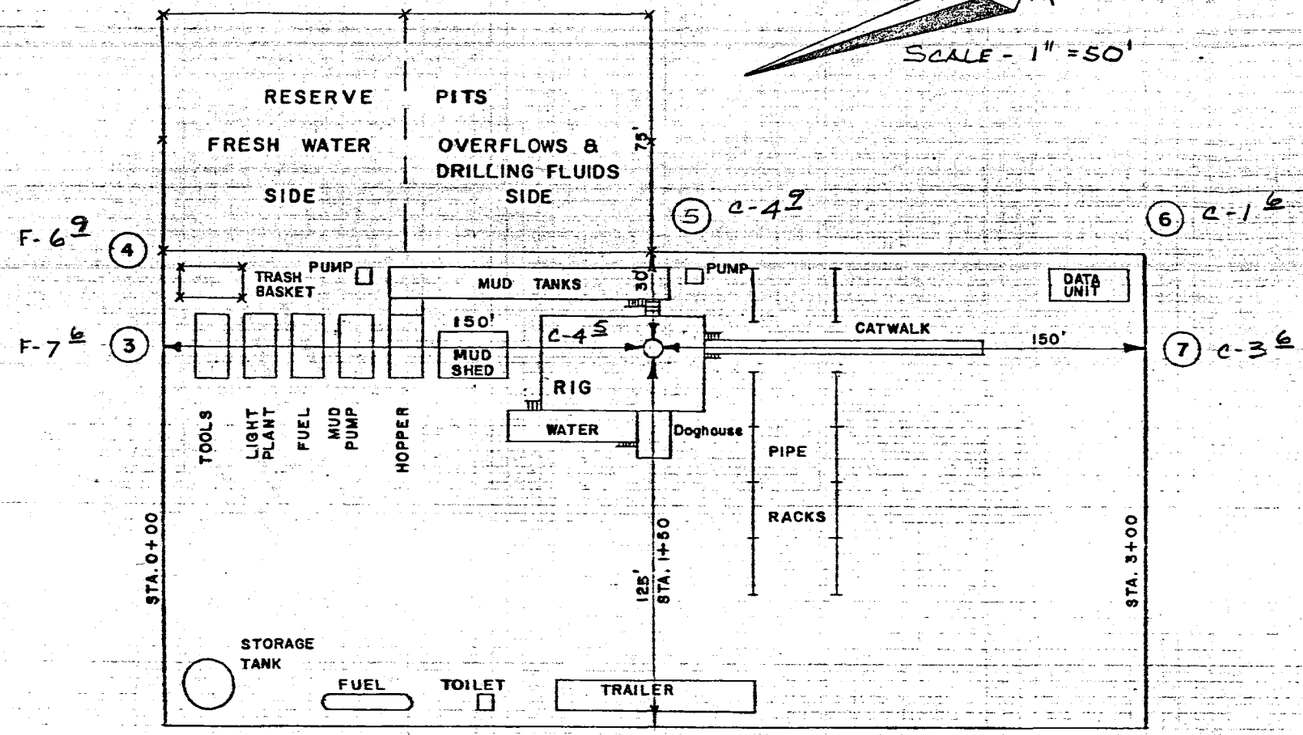
July 3, 1980
DATE

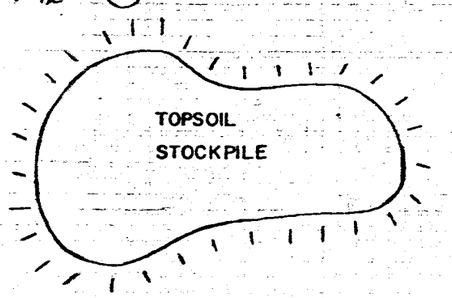
Emmitt C. Booher
EMMITT BOOHER

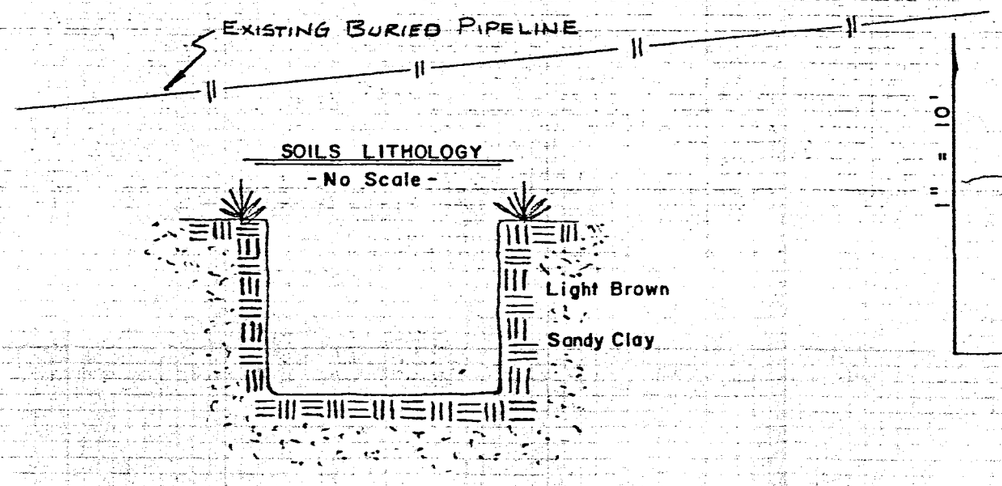
GULF OIL CORPORATION

WONSITS VALLEY #120

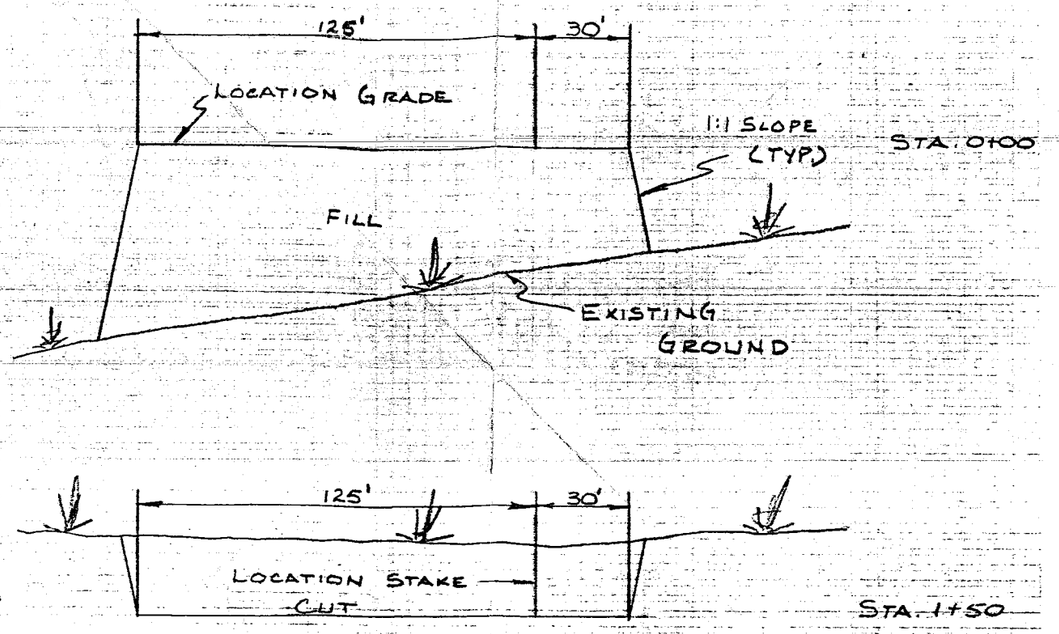








CROSS SECTIONS



Scales

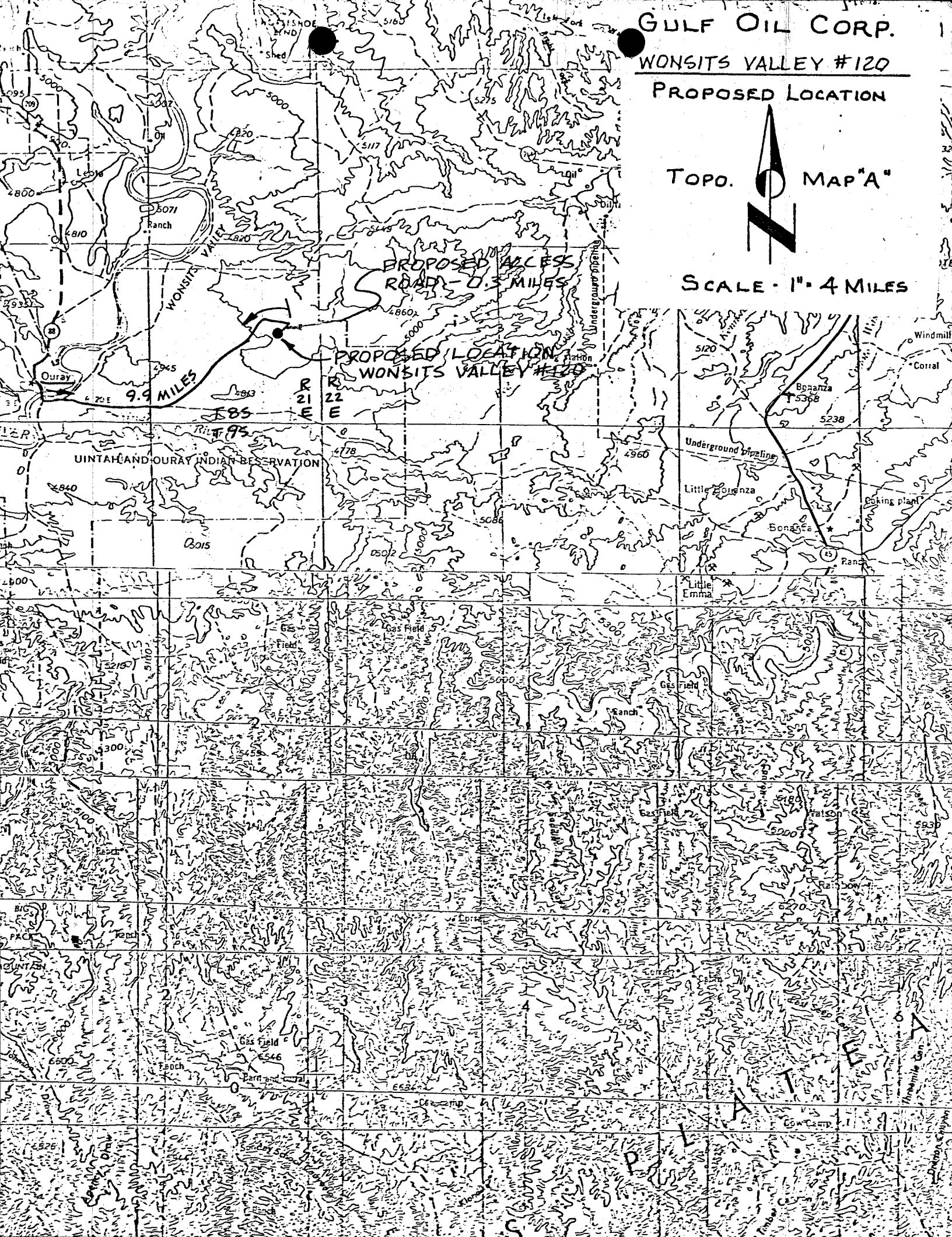
1" = 50'

1" = 10'

APPROXIMATE YARDAGES

Cubic Yards of Cut - 5,455

Cubic Yards of Fill - 4,365


GULF OIL CORP.
WONSITS VALLEY #120
PROPOSED LOCATION
TOPO. MAP "A"
SCALE - 1" = 4 MILES
PROPOSED ACCESS ROAD - 0.3 MILES
PROPOSED LOCATION WONSITS VALLEY #120
9.9 MILES
WONSITS VALLEY
Ouray
UINTAH AND OURAY INDIAN RESERVATION
R 21 E
R 22 E
T 9S
T 8S
Bonanza
Little Bonanza
Coking plant
Underground pipeline
Windmill
Corral
Gas Field
Ranch
Rainbow
Watson
Little Emma
Cow Camp
COLORADO
PLATEAU

Oil and Gas Drilling EA # 555-80

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

Usual Environmental Analysis

Date: August 6, 1980

Operator: Gulf Oil Corporation . Project or Well Name and No.: 120

Location: 1787' FSL & 2023' FEL Sec. 14 T.8S R. 21E

County: Uintah State: Utah Field/Unit: Wonsits Valley

Lease No.: U-0807

Joint Field Inspection Date: August 5, 1980

Prepared By: Craig Hansen
Environmental Scientist
Vernal, Utah

Field Inspection Participants, Titles and Organizations:

Craig M. Hansen	USGS-Vernal
Dale Hanburg	BIA-Ft. Duchesne
Gene McKenney	Gulf Oil Corp.
Gene Stewart	Uintah Engineering
Jack Skews	Skews Construction
Cliff Heeney	Ross Construction

drb 8-25-80

Drill pad 155' x 300'
Reserve pit 75' x 100'
New access road 18' x 0.3 mile
Existing access road 18' x 0.6 mile
2.0 acres disturbed area
Conditions of approval p. 7 (1-2)
Administratively complete ?

EA # 555-80

DISCRIPTION OF PROPOSED ACTION

Proposed Action:

1. Location State: Utah

County: Uintah

1781' FSL, 2023' FEL, NW 1/4 SE 1/4

Section 14 T 8S, R 21E SLM

2. Surface Ownership Location: Indian

Access Road: Indian

Status of
Reclamation Agreements: Not Applicable

3. Dates APD Filed: July 7, 1980

APD Technically Complete: July 21, 1980

APD Administratively Complete: July 7, 1980

4. Project Time Frame

Starting Date: Upon approval

Duration of Drilling activities: 90 days.

A period of 30 to 60 days is normally necessary to complete a well for production if hydrocarbons are discovered. If a dry hole is drilled, recontouring and reseeding would normally occur within one year; revegetation or restoration may take several years. If the well is a producer, an indefinite period of time would occur between completion and rehabilitation.

5. Related actions of other federal or state agencies and Indian tribes:

None known

6. Nearby pending actions which may affect or be affected by the proposed action:

None known

7. Status of variance requests:

None known

The following elements of the proposed action would/could result in environmental impacts:

1. A drill pad about 155' wide x 300' long and a reserve pit 75' x 100' would be constructed. Approximately .3 mile of new access road, averaging 18' driving surface, would be constructed and approximately .6 mile of existing road would be improve to 18 feet of driving surface from a maintained road. .2.0 acres of disturbed surface would be associated with the project. Maximum disturbed width of access road would be limited to 24'.

2. Drilling

3. Waste disposal.

4. Traffic.

5. Water requirements.

6. Completion.

7. Production.

8. Transportation of hydrocarbons.

Details of the proposed action are discribed in the Application for Permit to Drill.

Environmental Considerations of the Proposed Action:

Regional Setting/Topography: Uintah Basin: Province
The area consists of weathered sandstone and shale and buttes and bluffs of the Uinta formation. These buttes and bluffs are relatively flat on top with steep weathered sides. The valleys that surround the buttes and bluffs slope gently to to rugged disected dendritic drainage patterns. This type of drainage is usually non-perennial in nature.

PARAMETER

A. Geology

1. Other Local Mineral Resources to be Protected:
Possible oil shale in Green River fm and Uinta fm Possible small saline pods in Green River fm.

Information Source: Mineral Evaluation Report.

2. Hazards:

a. Land Stability: The surface would remain relatively stable until soil became saturated then heaving, slffing and heavy erosion would take place due to the saturation of the clays and shales at the surface.

Information Source: Field Observation

b. Subsidence: Withdrawl of fluids could cause subsidence, however the composition of the producing zones will reduce this hazard therefore none is anticipated.

Information Source: Environmental Geology "EA Teller" Physical Geology, Leet and Judson

c. Seismicity: The area is considered a minod risk-no preventive measures or plans have been presented by the operator

Information Source: "Geologic Atlas of Rocky Mountain Region,"

d. High Pressure Zones/Blowout Prevention: No high pressures are anticipated above the Wasatch. Although slight over pressuring may be expected in the upper Wasatch FM.

Information Source: APD MER

B. Soils:

1. Soil Character: Is a deep mildy to strongly alaline soils, The surface layers are pale brown and light gray loams, silty clay loams and clays. Sand and gravels are intermixed with clays and silts in fulvial washes.

Information Source: Soils of Utah, Wilson F.O.

2. Erosion/Sedimentation: This would increase due to the disruption of vegitation and loosley compacted "A & B" soil horizons of clay and shale. Clay and shale leave a higher rate of erosion due to their grain size and compaction capabiities. Proper construction practices would reduce this impact.

Information Source: "Fluvial Processes in Geomorphology" by Luna B., Leopold, M. Gordon Wolman, and John P. Miller, 1964. "Soils of Utah," Wilson.

C. Air Quality: The area is in a class II containment. There would be a minor increase in air polution due to emissions from construction and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads.

Information source: Utah State Health Dept/Air Quality Bureau in Salt Lake City Utah.

D. Noise Levels: Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to predrilling levels.

Information Source: Field Observation

E. Water Resources

1. Hydrologic Character

a. Surface Waters: The location drains South by non perennial drainage to the Green River eight miles South of the location.

Information Source: APD, Field Observation

b. Ground Waters: Ground water is anticipated in the Birds-eye member. of the Green River Formatuion and other less productive aquifers of the Green River Formation.

Information Source: Mineral Evaluation Report

2. Water Quality

a. Surface Waters: No contamintion of surface water is anticipated by this drilling program. Proper construction of location and lining reserve pits where needed would insure safe operations.

Information Source: Field Observation

b. Ground Waters: Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. Potential communication, contamination, and commingling of formations via the wellbore would be prevented by an adequate responce drilling fluid program. The depths of fresh water formations are listed in the 10-Point Subsurface Protection Plan.

Information Source. 10-Point Plan

F. Flora and Fauna

1. Endangered and Threatened Species Determination

Based on the formal comments received from BIA FT. Duchesne on August 14, 1980, we determine that there would be no effect on endangered and threatened species and their critical habitat.

2. Flora: Cactus, Chadscale, rabbit brush, and Cactus exist on the location.

Information Source: Field Observation

3. Fauna: Deer, Antelope, Small Rodents, Birds and Reptiles, Foxes, Coyotes and Domestic Livestock exist on or near the location.

Information Source: Field Observation

G. Land Uses

1. General: The area is used primarily for oil and gas operations although grazing and recreation takes place throughout the year.

Information Source: APD, Field Observation, SMA Represenative

2. Affected Floodplains and/or Wetlands: N/A

Information Source: F.O.

3. Roadless/Wilderness Area: N/A

Information Source: F.O.

H. Aesthetics: Operations do not blend in with natural surroundings and could present a visual impact. Painting any permanent equiptment a color to blend with the surrounding environment would lessen visual impacts.

Information Source: Field Observation

I. Socioeconomics: Drilling and production operations are small in size, but contribute substantial financial income to residents of the surrounding area. Local people are used whenever possible. This allows greater economic developement of the area.

Information Source: C.M. Hansen, resident of the Uintah Basin

J Cultural Resources Determination: Based on the formal comments received from BIA FT. Duchesne on August 14-80 we determine that there will be no effect on cultural resources.

Information Source: SMA Concurrence

L. Adequacy of Restoration Plans: Meet the minimum requirements of NTL-6. The erodibility of area soils could hamper restoration which should commence immediately after drilling or completion. The areas short growing season and limited precipitation govern restoration success.

Information Source: APD. Cody M. Hansen, Environmental Scientist. Field Observation

Alternatives to the Proposed Action:

1. Disapproving the proposed action or no action - If the proposed action is denied, no action would occur, the existing environment would remain in its present state, the lessee/operator would not realize any return on invest ments and the public would be denied a potential energy source.

2. Approving the project with the recommended stipulations - Under federal oil and gas leasing provisions, the Geological Survey has a responsibility to approve mineral development if the environmental consequences are not too severe or irreversible. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and Surface Management Agency supervision. Environmental impacts would be significantly mitigated.

Adverse Environmental Effects:

1. If approved as proposed:

a. About 2.0 acres of vegetation would be removed, increasing and accelerating erosion potential.

b. Pollution of groundwater systems would occur with the introduction of drilling fluids into the aquifer(s). The potential for interaquifer leakage and lost circulation is ever-present, depending on the casing program.

c. Minor air pollution would be induced on a temporary basis due to exhaust emissions from rig engines and support traffic.

d. The potential for fires, leaks, spills of gas and oil or water exists.

e. During construction and drilling phases of the operation, noise and dust levels would increase.

f. Distractions from aesthetics during the lifetime of the project would exist.

g. Erosion from the site would eventually be carried as sediment in the White River. The potential for pollution to White River would exist through leaks and spills.

h. If hydrocarbons would be discovered and produced, further development of the area could be expected to occur, which would result in the extraction of irreplaceable resource, and further negative environmental impacts. These impacts include the cumulative loss of wildlife habitat due to the areas necessary for roads, pipelines, drillsites, and transmission lines. These actions may disrupt wildlife social behavior and force habitat relocation over an extended period of time. In addition, the cumulative effects of non-point erosion become substantial in a developing field, primarily those located near perennial streams where siltation and sedimentation are critical to aquatic life cycles.

2. Conditional Approval:

All adverse impacts described in section one above would occur.

Recommended Approval Conditions:

Drilling should be allowed, provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator:

1. See attached Lease Stipulations. None

2. See attached BIA Stipulations.

Controversial Issues and Conservation Division Response:

No Controversial issues were found by the writer.

We have considered the proposed action in the preceding pages of this EA and find, based on the analysis of environmental considerations provided therein, no evidence to indicate that it will significantly (40 CFR 1508.27) impact the quality of the human environment.

Determination:

I determine that the proposed action (as modified by the recommended approval conditions) does not constitute a major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Section 102 (2)(C).

W. J. Martinez FOR E. W. GUYNN DISTRICT ENGINEER — SEP 0 4 1980

Signature & Title of Approving Official — Date

Gulf Oil #120
Wonsit Valley
Looking north.

NEGATIVE DECLARATION

APPROVAL BY SECRETARY OF THE INTERIOR OF Application to drill an

Oil Well XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX,

TO Gulf Oil Corporation, XXXXXXXXXX COVERING THE FOLLOWING

DESCRIBED TRUST INDIAN LANDS IN Uintah COUNTY, STATE OF UTAH.

LEGAL DESCRIPTION:

Located approximately 9 miles east of Ouray, Utah in the NW¼SE¼., Sec. 14, T8S., R21E., SLB&M.

OWNERSHIP

XX/ Surface Ute Tribe

XX/ Sub-Surface Non-Indian

IT HAS BEEN DETERMINED AFTER REVIEW OF THE ACCOMPANYING ENVIRONMENTAL ANALYSIS, THAT THE APPROVAL OF THIS application IS NOT SUCH A MAJOR FEDERAL ACTION SIGNIFICANTLY AFFECTING THE QUALITY OF THE HUMAN ENVIRONMENT AS TO REQUIRE THE PREPARATION OF AN ENVIRONMENTAL IMPACT STATEMENT UNDER SECTION 102 (2) (c) OF THE NATIONAL ENVIRONMENTAL POLICY ACTION OF 1969 (42 U.S.C. § 4332 (2) (c).

8-12-80
DATE

[signature]
SUPERINTENDENT

FY: '80-79

LEASE NO. U-0806
WELL NO. 120

AUG 14 1980
GEOLOGICAL SURVEY

UINTAH AND OURAY AGENCY
ENVIRONMENTAL IMPACT ANALYSIS

1. PROPOSED ACTION: Gulf Oil Corporation proposes to drill an Oil well (120) to, a proposed depth of 5500 feet; to construct approximately 0.3 (~~feet~~, miles) of new access road; and upgrade approximately 0 (~~feet~~, miles) of existing access road.

2. LOCATION AND NATURAL SETTING: The proposed wellsite is located approximately 9 miles East of Ouray, Utah in the NW¼SE¼ Sec. 14 T. 8S., R. 21E., SLB&M meridian. This area is used for Livestock and wildlife.
The topography is rolling hills.
The vegetation consist of four wing salt bush, shadscale, Indian rice grass, galletta grass.
Wildlife habitat for: ___Deer X Antelope ___Elk ___Bear X Small Mammals X Birds ___Endangered species ___Other Reptiles and insects.

3. EFFECTS ON ENVIRONMENT BY PROPOSED ACTION:
A. Vegetation will be distroyed on the access road and at the well site.
B. Scenic qualities will be affected.
C. Dust and exhaust from equipment may affect air quality.

4. ALTERNATIVES TO THE PROPOSED ACTION: No other alternatives were considered.

5. ADVERSE EFFECTS THAT CANNOT BE AVOIDED:

None of the adverse affects listed in item #3 above can be avoided in a practical manner.

6. DETERMINATION: This request action (~~does~~) (does not) constitute a major Federal action significantly affecting the quality of the human environment as to require the preparation of an environmental impact statement under Section 102 (2)(c) of the National Environmental Policy Act of 1969 (42 U.S.C. s 4332 (2)(c).

REPRESENTATIVE:
Cliff Heeny - Ross Const.
Jack Skews - Skews & Hamilton Const.
Floyd Murray - D.E. Casada Const.

Dale A. Hanberg 8-12-80
BIA Representative Date

COPY TO:
USGS, P.O. BOX 1037, Vernal, Utah 84078
USGS, Dist, Engr., Cons. Div., 8426 Federal Building., Salt Lake City, Utah 84138
Craig Hansen - USGS
Gene McKenney - Gulf

Lease #. U-0806
Well #. 120

RECEIVED
AUG 14 1980
U.S. GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

Cody

FROM: : DISTRICT GEOLOGIST [redacted]ME, SALT LAKE CITY, UTAH [redacted].

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT LEASE NO. U-0806

OPERATOR: Gulf Oil WELL NO. 120

LOCATION: SW¼ NE¼ SE¼ sec. 14, T. 8 S., R. 21 E., SLM

Uintah County, Utah

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1. Stratigraphy: Operator tops are lousy. U.S.G.S. estimates:

Uintah surface
Green River ~2200'
TD 5500'

2. Fresh Water:

Probable in the Uintah.
Useable/saline water in Birds nest (~3100') & Douglas Creek (~3900') aquifers

3. Leasable Minerals:

Oil Shale in the Green River.
Mahogany zone will be encountered at ~3500'.
Saline minerals may occur from 2700' to 3500'.
Prospectively valuable for gilsonite.

4. Additional Logs Needed:

Include some type of porosity log through the Green River

5. Potential Geologic Hazards: None expected.

6. References and Remarks:

Signature: Gregory W Wood Date: 7-21-80

4

United States Department of the Interior

Cody

GEOLOGICAL SURVEY
Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

Well #120
14-8S-21E
Gulf Oil Corp
Uintah County
LA #555-8

JUL 1980
OFFICE OF
AREA OIL SHALE SUPER

Mr. Peter Rutledge
Area Oil Shale Supervisor
Area Oil Shale Office
131 North Sixth, Suite 300
Grand Junction, Colorado 81501

Dear Mr. Rutledge,

The Office of Oil and Gas Operations, Conservation Division, received the attached Application for Permit to Drill, Deepen, or Plug Back (Form 9-331C).

Please review this proposal for any conflict with any of the resources in the oil shale tracts and withdrawal areas. If needed, set forth the stipulations you determine necessary for adequate protection. Please use the following space for your response (if there is none, so state), together with date and initials of person responsible and return to the Office of Oil and Gas Operations.

U.S. Geological Survey
8440 Federal Building
125 South State Street
Salt Lake City, Utah 84138

Gulf Oil #120
Sec. 14, T8S, R21E

July 29, 1980

Proposed casing and cementing program only addresses protection of the base of the Green River oil shale section. Cement intervals for the 5½" casing should also include protection of the Mahogany oil shale zone and protection at the top of the Green River section. Depth to the Mahogany is about 3300'. Proposed program is not acceptable to this office unless the cementing program is revised to insure adequate protection of the oil shale section.

Ray A. Brady
Geologist

Gulf Oil Corp
14-85-21E

Memorandum

To: District Oil and Gas Engineer, Cody Mr. Edward Guynn

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. U-0806 Well No. 120

1. The location appears potentially valuable for:

   [ ] strip mining*

   [X] underground mining** oil shale

   [ ] has no known potential.

2. The proposed area is

   [ ] under a Federal lease for _____ under the jurisdiction of this office.

   [X] not under a Federal lease under the jurisdiction of this office.

   [X] Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at _____ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

**If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.

Signed Allen L Vance

GULF OIL CORP.

WONSITS VALLEY #120

PROPOSED LOCATION

TOPO. MAP "B"

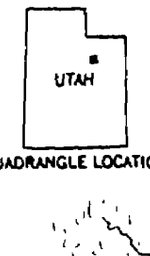
SCALE - 1" = 2000'

ROAD CLASSIFICATION

Heavy-duty ——— Light-duty - - -

Medium-duty ——— Unimproved dirt .....

U.S. Route State Route



QUADRANGLE LOCATION

PROPOSED LOCATION
WONSITS VALLEY #120

0.6 MILES

PROPOSED ACCESS ROAD - 0.3 MILES

OURAY, UTAH - 9.3 MILES

T 7 S
T 8 S

R 21 E
R 22 E

UINTAH AND OURAY INDIAN RESERVATION

WONSITS VALLEY

OURAY

PIPELINE

JEEP TRAIL

Oil Well

Pumping Station

Drill Hole

WELL

WATSON

ROAD

** FILE NOTATIONS **

DATE: July 7, 1980

Operator: Gulf Oil Corporation

Well No: Wonsits Valley Unit #120

Location: Sec. 14 T. 8S R. 21E County: Uintah

File Prepared: ✓ Entered on N.I.D.: ✓ ON FR

Card Indexed: ✓ Completion Sheet: ✓

✓ API Number 43-047-30741

CHECKED BY:

Geological Engineer:

Petroleum Engineer: M. J. Minder 7-8-80

~~Director~~: ok on Unit boundry spacing

APPROVAL LETTER:

Bond Required: ~~✓~~ Survey Plat Required:

Order No. O.K. Rule C-3

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site

Unit approval

Lease Designation ~~Fed.~~ Unit Plotted on Map ✓

Approval Letter Written ✓ wtm

pl

PI

July 9, 1980

Gulf Oil Corporation
P.O. Box 2619
Casper, Wyoming 82601

Re: **Wonsits Valley Unit #120, Sec. 14, T. 8S, R. 21E., Uintah County, Utah**
Wonsits Valley Unit #121, Sec. 14, T. 8S, R. 21E., Uintah County, Utah
Wonsits Valley Unit #122, Sec. 14, T. 8S, R. 21E., Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil wells is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are #120: 43-047-30741; #121: 43-047-30742; #122: 43-047-30743.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Petroleum Engineer

btm

cc: USGS

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

May 4, 1981

Gulf Oil Corporation
Haymaker & Associates
1720 South Poplar, Suite #5
Casper, Wyoming 82601

Re: SEE ATTACHED SHEET ON WELL DUE

Gentlemen:

In reference to above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not recieved any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan on drilling these loactions at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Sandy Bates

SANDY BATES
CLERK-TYPIST

[redacted] ATTACHED SHEET ON WELLS [redacted]

1. Well No. Wonsits Unit #119
   Sec. 18, T. 8S. R. 22E.
   Uintah County, Utah

2. Well No. Wonsits Unit #120
   Sec. 14, T. 8S. R. 21E.
   Uintah County, Utah

3. Well No. Wonsits Unit #121
   Sec. 14, T. 8S. R. 21E.
   Uintah County, Utah

4. Well No. Wonsits Unit #122
   Sec. 14, T. 8S. R. 21E.
   Uintah County, Utah

5. Well No. Wonsits Unit #123
   Sec. 15, T. 8S. R. 21E.
   Uintah County, Utah

6. Well No. Wonsits Unit #127
   Sec. 16, T. 8S. R. 21E.
   Uintah County, Utah

Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104-3884

November 10, 1981

Gulf Oil Corporation
P.O. Box 2619
Casper, Wyoming 82601

Re: Return Application for
Permit to Drill
Well No. 120, 121, 122
Section 14, T. 8S, R. 21E.
Uintah County, Utah
Lease No. U-0807

Well No. 123
Section 15, T. 8S., R. 21E.
Uintah County, Utah
Lease No. U-0807

Gentlemen:

The Application for Permit to Drill the referenced wells were approved September 22, 1980 and October 8, 1980 respectively. Since that date no known activity has transpired at the approved locations. Under current District policy, application's for permit to drill are effective for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced applications without prejudice. If you intend to drill at these locations on a future date a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for these drill sites. Any surface disturbance associated with the approved locations of these wells is to be rehabilitated. A schedule for this rehabilitation must, then be submitted. Your cooperation in this matter is appreciated.

Sincerely,

(ORIG. SGD. W. P. MARTENS

for E. W. Guynn
District Oil and Gas Supervisor

bcc: DCM, CR, O&G, Denver
BLM-Vernal
State Office (O&G)
State Office (BLM)
USGS-Vernal
Well File